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Agricultural Memorandum No 721

Expectancy of Heavy Winter Rainfall - Agro-climatic areas

L P Smith

Using the details of rainfall averages in Ag Mem 720 and the data contained in Ag Mems 470 & 471, the following areal heavy rainfall expectancies are deduced in terms of mms. of rain over the periods indicated, while the soil is at capacity

(Note: The details can only be approximate in the highest rainfall areas)

Area	Heavy rain falling during			Heavy rain falling during		
	1 day in 1 year	1 day in 2 years	1 day in 10 years	5 days in 1 year	5 days in 2 years	5 days in 10 years
1N	17	21	28	32	39	54
1S	18	22	29	34	41	57
2	27	35	45	59	70	85
3	28	35	45	61	70	88
4	31	38	50	67	78	104
5	18	22	31	36	43	60
6	40	48	64	85	97	125
7	23	27	36	47	57	73
8	32	37	47	66	77	92
9	23	27	33	47	55	66
10	36	41	52	73	85	104
11	25	31	40	52	59	75
12	19	23	31	36	43	55
13	18	21	27	33	40	51
14	20	25	34	41	48	62
15W	24	28	38	47	55	70
15E	20	25	34	38	46	60
16	18	23	32	34	40	53
17W	17	22	31	34	39	50
17E	18	21	31	36	40	53
18N	21	26	33	43	49	62
18S	24	29	37	50	56	71
19	18	22	32	37	43	56
20	19	23	31	38	45	57
21	18	22	31	37	44	56
22W	19	22	30	36	42	52
22E	18	21	29	34	40	47
23	16	20	27	28	35	46
24	16	20	28	32	37	49
25N	22	27	34	48	57	71
25S	29	34	43	64	75	91
26	21	25	33	42	48	63
27	19	22	30	36	43	55
28	15	19	26	29	34	45
29	16	19	28	30	37	50
30	22	27	35	45	52	66
31N	19	23	30	39	46	60
31S	25	31	37	52	59	75

Area	Heavy rain falling during			Heavy rain falling during		
	1 day in 1 year	1 day in 2 years	1 day in 10 years	5 days in 1 year	5 days in 2 years	5 days in 10 years
32	20	24	33	42	52	66
33	16	20	27	32	38	50
34	18	22	28	36	44	57
35	24	29	38	53	62	77
36	23	27	35	48	57	71
37N	24	29	37	52	60	76
37S	26	31	39	55	65	82
38N	24	30	34	54	64	77
38S	25	31	37	58	68	82
39W	21	26	34	43	51	65
39E	20	25	33	42	50	64
40	30	34	44	65	72	87
41	35	41	54	70	81	110
42	35	40	52	77	89	110
43NW	40	46	60	90	105	125
43SE	34	39	49	76	85	104
44	36	41	54	80	90	110
45W	29	33	43	64	73	87
45E	29	34	44	63	72	87
46	25	29	36	53	63	80
I of W	25	30	38	52	61	77
47	26	30	40	55	64	78
48N	45	50	61	95	108	130
48S	40	48	58	85	98	120
49N	30	35	45	64	73	90
49S	30	36	46	66	75	92
50	32	38	48	70	77	95
51	42	50	60	90	105	125
52	34	41	51	76	83	100

Any comments or suggestions on this paper should be referred to the author.

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